City of Kingman
Sewage Collection System Checklist

PROJECT NAME:

CITY OF KINGMAN PROJECT NUMBER: DATE:

REVIEWED BY:

1.   P.E. seal on plans and specs (when over $12,500.00)   ☐Yes   ☐No

2.   Approval to Construct Application

3.   Extension Agreement (when applicable)   ☐Yes   ☐No

4.   Compliance of WWTP (when applicable)   ☐Yes   ☐No

5.   Design Report

6.   Design Capacities:
     a. Interceptors (peaking factors 3 X ADF)
     b. Laterals and submains, 400 gpcd flowing full
     c. Mains 250 gpcd flowing full

7.   All sewers 8" or larger except diameter minimum 6" at Lmax=400' or clean out Lmax = 200'

8.   Minimum slope Vmin=2fps when N=0.013
     6" 0.49 - 12.25%   8" 0.33 - 8.34%
     Max Slope Vmax=10 fps

9.   Alignment of sewer lines straight or 200' min. radius

10. Manhole minimum diameter 48"
     8" - 15"   500' maximum spacing
     18" - 30"   600' maximum spacing

11. MH located at change of grade; change of size; or change of alignment, Intersections (clean out at end of line is OK)

12. Include MH detail (foundation, structure, channel steps (15"-18" high>4' deep), etc

13. Drop MH required when inflow - outflow > 30"

14. Depth of sewer cover minimum=3' (recommended)

15. Sewer-water main separation (AAC R18-5-502, latest revision)

16. All manholes shall be tested for water tightness in accordance with AAC R18-9-E301. Exfiltration shall be limited to 0.001% of the total manhole volume in one hour

17. Water tightness testing of sewer lines in accordance with ASTM F-1417-92 (100% of system)

18. Deflection testing of PVC sewer lines in accordance with MAG 615.10 (100% of system)

19. Backfill and bedding in accordance with City Detail 400

20. For condominiums and RV parks, show plan and profile view of sewer lines

21. Water stop shall be provided around sewer pipes in manholes when recommended by the Regional Office

22. PVC sewer line shall be installed according to ASTM Standard Spec D2321 (latest revision)

23. The entire length of sewer line shall be tested for uniform slope by lamp lighting or remote camera

COMMENTS: